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October 6, 2004

RECEIVED

OCT 1 4 2004

Technology Center 2600

Art Unit 2685

Commissioner for Patents PO Box 1450 Alexandria, VA 22313-1450

Re:

U.S. Utility Patent Application

Application No. 09/855,851; Filed: May 16, 2001

For: Apparatus, System, and Method for Down-Converting

and Up-Converting Electromagnetic Signals

Inventors:

Sorrells et al.

Our Ref:

1744.1260001

Sir:

Transmitted herewith for appropriate action are the following documents:

- 1. Fee Transmittal Form (PTO/SB/17);
- 2. Petition for Extension of Time Under 37 C.F.R. § 1.136(a)(1);
- 3. Reply to Restriction Requirement;
- 4. Credit Card Payment Form (PTO-2038); and
- 5. One return postcard.

It is respectfully requested that the attached postcard be stamped with the date of filing of these documents, and that it be returned to our courier. In the event that extensions of time are necessary to prevent abandonment of this patent application, then such extensions of time are hereby petitioned.

Sterne, Kessler, Goldstein & Fox P.L.C.: 1100 New York Avenue, NW: Washington, DC 20005: 202.371.2600 f 202.371.2540; www.skgf.com

Commissioner for Patents October 6, 2004 Page 2

The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.

Patrick E. Garrett

Attorney for Applicants Registration No. 39,987

PEG/NDD/sjc Enclosures

318734_1.DOC

PTO/SB/17 (10-03)
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

| FEE | TRA | ٩N | SM | IT' | TAL |
|-----|-------|----|-----|-----|-----|
| 1 | for I | FY | 200 |)5 | |

\$980.00

Effective 10/01/2003. Patent fees are subject to annual revision.

Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT

| Complete if Known | | | | | | |
|----------------------|---------------|-----------------------|--|--|--|--|
| Application Number | 09/855,851 | RECEIVED | | | | |
| Filing Date | May 16, 2001 | HECEIVED | | | | |
| First Named Inventor | David F. Sorr | ells OCT 1 4 2004 | | | | |
| Examiner Name | Le, Lana N. | | | | | |
| Art Unit | 2685 | Technology Center 260 | | | | |
| Attorney Docket No. | 1744.1260001 | <u> </u> | | | | |

| METHOD OF PAYMENT (check all that apply) | FEE CALCULATION (continued) | | | | | |
|---|-----------------------------|-------------|-------------|-------------|--|----------|
| Check X Credit card Money X Other** None | 3. ADDITIONAL FEES | | | | | |
| *Charge any deficiencies or credit any overpayments in | <u>Large l</u> | Entity | Small | Entity | | |
| Deposit Account: the fees to Deposit Acct. No. 19-0036. Deposit Account 19-0036 | Fee Code | Fee (\$) | Fee Code | Fee (\$) | Fee Description | Fee Paid |
| Number | 1051 | 130 | 2051 | 65 | Surcharge - late filing fee or oath | |
| Deposit Account Sterne, Kessler, Goldstein & Fox | 1052 | 50 | 2052 | 25 | Surcharge - late provisional filing fee or cover sheet | |
| Name The Director is authorized to: (check all that apply) | 1053 | 130 | 1053 | 130 | Non-English specification | |
| Charge fee(s) indicated below Credit any overpayments | 1812 | 2,520 | 1812 | 2,520 | For filing a request for ex parte reexamination | |
| Charge any additional fee(s) or any underpayment of fee(s) | 1804 | 920* | 1804 | 920* | Requesting publication of SIR prior to Examiner action | |
| Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account. | 1805 | 1,840* | 1805 | 1,840* | Requesting publication of SIR after Examiner action | _ |
| | 1251 | 110 | 2251 | 55 | Extension for reply within first month | |
| FEE CALCULATION | 1252 | 430 | 2252 | 215 | Extension for reply within second month | |
| 1. BASIC FILING FEE Large Entity Small Entity | 1253 | 980 | 2253 | 490 | Extension for reply within third month | \$980.00 |
| Fee Fee Fee Fee Paid | 1254 | 1,530 | 2254 | 765 | Extension for reply within fourth month | |
| Code (\$) Code (\$) 1001 790 2001 395 Utility filing fee | 1255 | 2,080 | 2255 | 1,040 | Extension for reply within fifth month | |
| 1002 350 2002 175 Design filing fee | 1401 | 340 | 2401 | 170 | Notice of Appeal | |
| 1003 550 2003 275 Plant filing fee | 1402 | 340 | 2402 | 170 | Filing a brief in support of an appeal | \vdash |
| 1004 790 2004 395 Reissue filing fee | 1403 | 300 | 2403 | 150 | Request for oral hearing | |
| 1005 160 2005 80 Provisional filing fee | 1451 | 1,510 | 1451 | 1,510 | Petition to institute a public use proceeding | |
| SUBTOTAL (1) (\$) 0.00 | | 110 | 2452 | 55 | Petition to revive - unavoidable | |
| | 1453 | 1,370 | 2453 | 685 | Petition to revive - unintentional | |
| 2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE | 1501 | 1,370 | 2501 | 685 | Utility issue fee (or reissue) | |
| Extra Claims below Fee Paid | 1502 | 490 | 2502 | 245 | Design issue fee | |
| Total Claims 20 **= X = | 1503 | 660 | 2503 | 330 | Plant issue fee | |
| Claims - 3 **= | 1460 | 130 | 1460 | 130 | Petitions to the Commissioner | |
| Multiple Dependent | 1807 | 50 | 1807 | 50 | Processing fee under 37 CFR 1.17(q) | |
| Large Entity Small Entity Fee Fee Fee Fee Fee Description | 1806 | 180 | 1806 | 180 | Submission of Information Disclosure Stmt | |
| Code (\$) Code (\$) | 8021 | 40 | 8021 | 40 | Recording each patent assignment per property (times number of properties) | |
| 1202 18 2202 9 Claims in excess of 20 1201 88 2201 44 Independent claims in excess of 3 | 1809 | 790 | 2809 | 395 | Filing a submission after final rejection (37 CFR 1.129(a)) | |
| 1203 300 2203 150 Multiple dependent claim, if not paid | 1810 | 790 | 2810 | 395 | For each additional invention to be | |
| 1204 86 2204 43 ** Reissue independent claims | | | | | examined (37 CFR 1.129(b)) | |
| over original patent | 1801 | | 2801 | 395 | | |
| 1205 18 2205 9 ** Reissue claims in excess of 20 and over original patent | 1802 | 900 | 1802 | 900 | Request for expedited examination of a design application | |
| SUBTOTAL (2) (\$) 0.00 | Other fee (specify) | | | | | |
| **or number previously paid, if greater; For Reissues, see above *Reduced by Basic Filing Fee Paid SUBTOTAL (3) (\$) \$980.00 | | | | | | |

(Complete (if applicable)) SUBMITTED BY Registration No. Telephone Name (Print/Type) <u>39,9</u>87 (202) 371-2600 Patrick E. Garrett (Attomey/Agent) 5CH Jarrat 10-6-04 Signature

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.